

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : UNITIKA LTD

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(72)Inventor : TANAKA KAZUMASA
KANO YUJI

(54) SEPARATION OF AMMONIUM MAGNESIUM PHOSPHATE COMPOUND

(57)Abstract:

PURPOSE: To efficiently separate high purity ammonium magnesium phosphate compound capable of effectively being utilized as chemical fertilizer from suspended solid contained in waste water.

CONSTITUTION: In the case of converting phosphorus contained in waste water into ammonium magnesium phosphate and taking out it from a treating equipment 1, supply of waste water and magnesium compound is stopped and thereafter air is blown into the treating equipment 1 to agitate ammonium magnesium phosphate compound and the other suspended solid in the inside of the treating equipment 1 by the air. Thereafter the air is stopped and these are allowed to stand. After ammonium magnesium phosphate compound 16 and the other suspended solid 17 are separated respectively to the lower and upper parts by the difference in specific gravity, ammonium magnesium phosphate compound 16 is taken out from the lower part of the treating equipment 1.

